



USER INSTRUCTIONS

For health and safety reasons, please read this information carefully

This garment is classed as Personal Protective Equipment (PPE) by the E.C. Directive 89/686/EEC, and has been shown to comply with this directive through the harmonised European Standards EN ISO 11612:2008 and EN1149-5:2008. The garment carries the CE mark to demonstrate compliance with the Directive.

1. Scope of Protection

This protective clothing is designed to protect the wearer against brief contact with heat or flame. The fabric also contains a static dissipative grid to avoid incendiary discharges in areas where there is a risk of ignition by electrostatic discharge, including in sensitive flammable atmospheres such as air / hydrogen.

It meets the following classifications :-

- Limited flame spread to face of fabric using ISO15025:2000 after 5 & 50 wash cycles @ 75°C = Code A1
- Convective heat using ISO9151:1995 after 5 & 50 wash cycles @ 75°C = Code B1 (from B1 to B3)
- Radiant heat using ISO6942:2002 after 5 & 50 wash cycles @ 75°C = Code C1 (from C1 to C4)
- Contact heat using ISO12127:1996 after 5 & 50 wash cycles @ 75°C = Code F1 (from F1 to F3)
- Half decay time according to EN1149-3:2004 after 50 wash cycles @ 75°C = $t_{50} < 4s$, shielding factor $S > 0.2$

The wearer should be properly earthed eg by wearing adequate footwear. The resistance between the person and the earth shall be less than $10^8 \Omega$

The garment should only be used for the purposes indicated.

2. Limitations of Use

This clothing should not be used to protect against large splashes of molten metal in foundry operations eg aluminium (D) or iron (E). Nor will it protect against small splashes of molten metal or sparks from welding and similar processes. It should not be used in oxygen enriched atmospheres without prior approval of the responsible safety engineer.

The limited flame spread properties will be reduced if the clothing is contaminated with chemicals or flammable materials. If this occurs the wearer should withdraw, remove the garment and arrange for it to be cleaned.

Dirty clothing may also lead to a reduction in protection.

The electrostatic dissipative performance of the clothing can be affected by wear and tear, laundering and possible contamination.

3. Chemical Protection

The fabric also contains a fluorocarbon finish which offers limited skin protection from exposure to or contact with certain chemicals including Sodium hydroxide (10%) and Sulphuric acid (30%). The finish is not permanent, and regular testing is recommended.

4. Fitting and Sizing

Only wear clothing of a suitable size. Garments which are either too loose or too tight may restrict movement, and may not provide the optimum level of protection. The wearer can only be protected if the garment is fully fastened. It should permanently cover all non-complying materials during normal use. It should not be removed whilst in the presence of flammable or explosive atmospheres, or whilst handling flammable or explosive substances.

5. Compatibility

To optimise protection it may be necessary to wear other items of protective clothing such as undergarments, hard hat, gloves, shoes etc. Jackets and trousers should be worn as a suit, not on their own.

6. Modifications

No garment should be modified in any way by the addition of extra pockets, flaps, badges, elastic, fasteners etc. In its' original state the garment complies with European Standards and is CE marked accordingly. Any modification will invalidate the CE mark, and the supplier can accept no responsibility if this instruction is ignored.

7. Repair

This garment should be inspected regularly for any damage to the outer fabric. If it becomes damaged it should not be used, as it may not provide the optimum level of protection and should be replaced or repaired immediately. Never use the damaged garment. Repairs may be carried out provided the fabric and materials used comply with the EN standards. If in doubt consult the manufacturer.

8. Aftercare

A dirty garment may lead to a reduction in protection and it should be cleaned regularly. Professional cleaning is recommended. Wash separately from non-FR garments. Do not use soap based detergents. Ensure proper neutralisation. **Avoid contact with Chlorine.** The fabric has a permanent FR treatment which does not require re-application. Reactivate the fluorocarbon finish with heat (eg iron or tunnel dryer). Consult the manufacturer for further details.

A label with the appropriate cleaning instructions is affixed to the garment. Never use a heavily soiled garment.

9. Storage

When not in use store the garment in a dry area away from direct sunlight.

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